

# SEQUENCE LISTING

<110> Bodine, Peter V.N.  
 Billiard, Julia

<120> A Novel Method of Modulating Bone-Related Activity

<130> AM101291

<150> US 60/463,364  
 <151> 2003-04-16

<150> US 60/501,340  
 <151> 2003-09-09

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370

375

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35 40 45

Gly Gln Asp Gly Pro Ile Pro Thr Leu Lys Gly Tyr Phe Leu Asn Phe  
50 55 60

Leu Glu Pro Val Asn Asn Ile Thr Ile Val Gln Gly Gln Thr Ala Ile  
65 70 75 80

Leu His Cys Lys Val Ala Gly Asn Pro Pro Pro Asn Val Arg Trp Leu  
85 90 95

Lys Asn Asp Ala Pro Val Val Gln Glu Pro Arg Arg Ile Ile Ile Arg  
100 105 110

Lys Thr Glu Tyr Gly Ser Arg Leu Arg Ile Gln Asp Leu Asp Thr Thr  
115 120 125

Asp Thr Gly Tyr Tyr Gln Cys Val Ala Thr Asn Gly Met Lys Thr Ile  
130 135 140

Thr Ala Thr Gly Val Leu Phe Val Arg Leu Gly Pro Thr His Ser Pro  
145 150 155 160

Asn His Asn Phe Gln Asp Asp Tyr His Glu Asp Gly Phe Cys Gln Pro  
165 170 175

Tyr Arg Gly Ile Ala Cys Ala Arg Phe Ile Gly Asn Arg Thr Ile Tyr  
180 185 190

Val Asp Ser Leu Gln Met Gln Gly Glu Ile Glu Asn Arg Ile Thr Ala  
195 200 205

Ala Phe Thr Met Ile Gly Thr Ser Thr His Leu Ser Asp Gln Cys Ser  
210 215 220

Gln Phe Ala Ile Pro Ser Phe Cys His Phe Val Phe Pro Leu Cys Asp  
225 230 235 240

Ala Arg Ser Arg Ala Pro Lys Pro Arg Glu Leu Cys Arg Asp Glu Cys  
245 250 255

Glu Val Leu Glu Ser Asp Leu Cys Arg Gln Glu Tyr Thr Ile Ala Arg  
260 265 270

Ser Asn Pro Leu Ile Leu Met Arg Leu Gln Leu Pro Lys Cys Glu Ala  
           275                          280                          285  
 Leu Pro Met Pro Glu Ser Pro Asp Ala Ala Asn Cys Met Arg Ile Gly  
       290                          295                          300  
 Ile Pro Ala Glu Arg Leu Gly Arg Tyr His Gln Cys Tyr Asn Gly Ser  
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 Gly Met Asp Tyr Arg Gly Thr Ala Ser Thr Thr Lys Ser Gly His Gln  
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 Cys Gln Pro Trp Ala Leu Gln His Pro His Ser His His Leu Ser Ser  
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 Thr Asp Phe Pro Glu Leu Gly Gly Gly His Ala Tyr Cys Arg Asn Pro  
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 Gly Gly Gln Met Glu Gly Pro Trp Cys Phe Thr Gln Asn Lys Asn Val  
       370                          375                          380  
 Arg Met Glu Leu Cys Asp Val Pro Ser Cys Ser Pro Arg Asp Ser Ser  
 385                          390                          395                          400  
 Lys Met Gly Ile Leu Tyr Ile Leu Val Pro Ser Ile Ala Ile Pro Leu  
                           405                          410                          415  
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20

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<400> 19	
gctcacacca cagtggcagt gg	22
<210> 20	
<211> 61	
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<223> bottom strand primer used to construct Ror2-flag

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c 61

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<211> 41  
<212> DNA  
<213> Artificial sequence

<220>  
<223> top strand primer used to construct Ror2KD-flag

<400> 21  
ggctgtggcc atcataacgc tgatagacat agcggagggg c 41

<210> 22  
<211> 41  
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<220>  
<223> bottom strand primer used to construct Ror2KD-flag

<400> 22  
gccctccgc tatgtctatc agcgttatga tggccacagc c 41

<210> 23  
<211> 25  
<212> DNA  
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<220>  
<223> top strand primer used to construct Ror2deltaC-flag

<400> 23  
ccttctgcc cttcgtgttt cctct 25

<210> 24  
<211> 65  
<212> DNA  
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<220>  
<223> bottom strand primer used to construct Ror2deltaC-flag

<400> 24  
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aaggc 65

<210> 25  
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<220>  
<223> forward primer to identify human Ror1

<400> 25  
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<400> 31  
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<210> 32  
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 <212> DNA  
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<400> 32  
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<210> 35  
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<400> 35  
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<210> 36  
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 <223> probe to identify mouse Ror2

<400> 36  
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<210> 37  
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 <212> DNA  
 <213> forward primer to identify mouse alkaline phosphatase

<400> 37  
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<210> 38  
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<210> 40  
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 <400> 40  
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<210> 41  
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 <400> 41  
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<210> 42  
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 <223> probe to identify mouse osteocalcin  
 <400> 42  
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<210> 43  
 <211> 2000  
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<212> DNA  
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<210> 45  
 <211> 41  
 <212> DNA  
 <213> Artificial sequence

<220>  
 <223> top strand primer used to construct the 5' portion of Notch2IC  
 (1-782)

<400> 45  
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<210> 46  
 <211> 23  
 <212> DNA  
 <213> Artificial sequence

<220>  
 <223> bottom strand primer used to construct the 5' portion of Notch2IC  
 (1-782)

<400> 46  
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<210> 47  
 <211> 25  
 <212> DNA  
 <213> Artificial sequence

<220>  
 <223> top strand primer used to construct the 3' portion of Notch2IC  
 (783-2307)

<400> 47  
 gaatggtggc agaactgatc aactg 25

<210> 48  
 <211> 39  
 <212> DNA  
 <213> Artificial sequence

<220>  
 <223> bottom strand primer used to construct the 3' portion or Notch2IC  
 (783-2307)

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